

# APICAL

INDUSTRIES, INC.

ENGINEERING CHANGE NOTICE NO.

03888

SHEET 1 OF 1

DWG NO. 647.4600

REV: NC

PREPARED BY

B. PETERS

DATE: 05/16/13

EFFECT ON DWG  
☐ INC. ☒ UNINC.

DWG TITLE: DEFLECTORS

APPROVED BY:

ENGR

*[Signature]*

MFG

*[Signature]*

QC

*[Signature]*

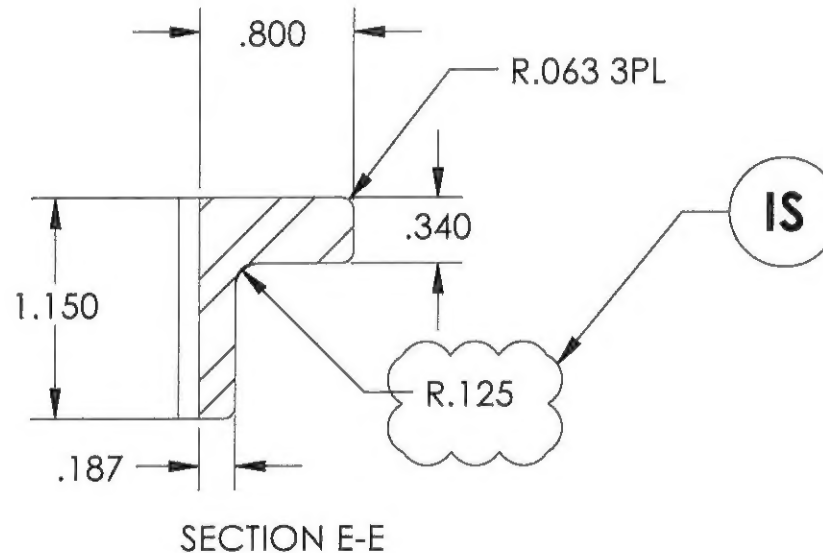
EFF.

NEXT ORDER

TRANSACTION CODES (TC):  
A-ADD C-CREATE  
R-REVISE D-DELETE

REASON: REVISED RADIUS DIMENSION TO STANDARD SIZE.

SHEET 3, ZONE A4 IS:



DOCUMENTS EFFECTED:

☐ MDL ☐ INSTALL INSTRUCTIONS ☐ ICA ☐ FMS ☐ BOM

CHANGE CATEGORY

☐ MAJOR ☒ MINOR

DER REVIEW REQUIRED

☐ YES ☒ NO

APICAL  
INDUSTRIES, INC.

ENGINEERING CHANGE NOTICE NO. 03088

SHEET 1 OF 1

DWG NO. 647.4600

REV: N/C

PREPARED BY R. ROSANO

DATE: 04/27/11

EFFECT ON DWG  
☐ INC. ☒ UNINC.

DWG TITLE: DEFLECTORS

APPROVED BY:

ENGR

MFG

QC

EFF:

NEXT ORDER

TRANSACTION CODES (C):  
A-ADD C-CREATE  
R-REVISE D-DELETE

REASON: CORRECTED HOLE SIZE FOR 647.4610 UPPER DEFLECTOR, REVISED DELTA NOTE 2

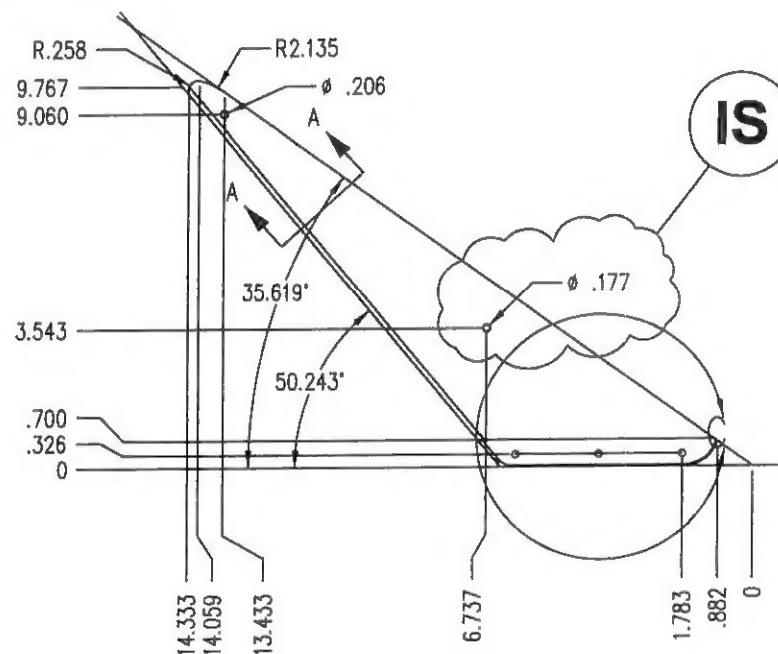
SHEET 1, ZONE A1, IS:

SHEET 1, ZONE C3, IS:

NOTES:

- 1 MATERIAL: ALUMINUM 7075-T651 PER AMS-QQ-A-250/12.
- 2 FINISH: HARD ANODIZE IAW MIL-A-8625 TYPE III,  
CLASS 2, COLOR BLACK  
PRETREAT PR-148 ADHESION PROMOTER;  
PRIME IAW MIL-P-23377 TYPE I CLASS N, 1-2 MIL MAX.
3. DEBURR AND BREAK ALL SHARP EDGES.
4. IDENTIFY IAW MPP-120.
- 5 MAXIMUM DIMENSION AFTER FINISH

IS



F/N	TC	PART NUMBER	QTY	DESCRIPTION	MATERIAL	SPECIFICATION
DOCUMENTS EFFECTED:				<input type="checkbox"/> MDL <input type="checkbox"/> INSTALL INSTRUC <input type="checkbox"/> ICA <input type="checkbox"/> BOM	CHANGE CATEGORY <input type="checkbox"/> MAJOR <input checked="" type="checkbox"/> MINOR	DER REVIEW REQUIRED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO

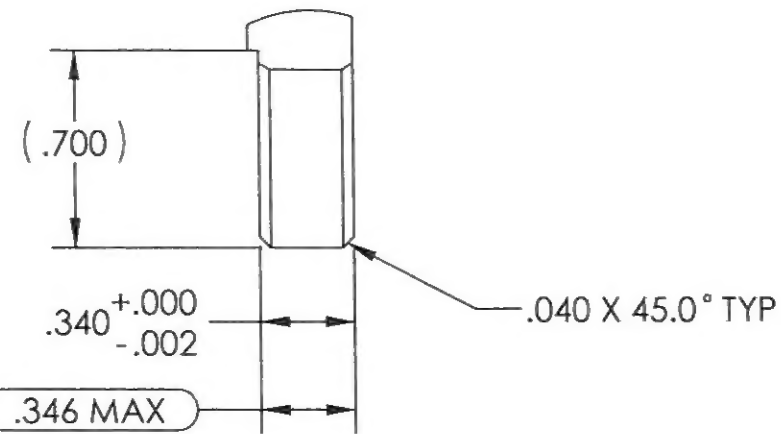
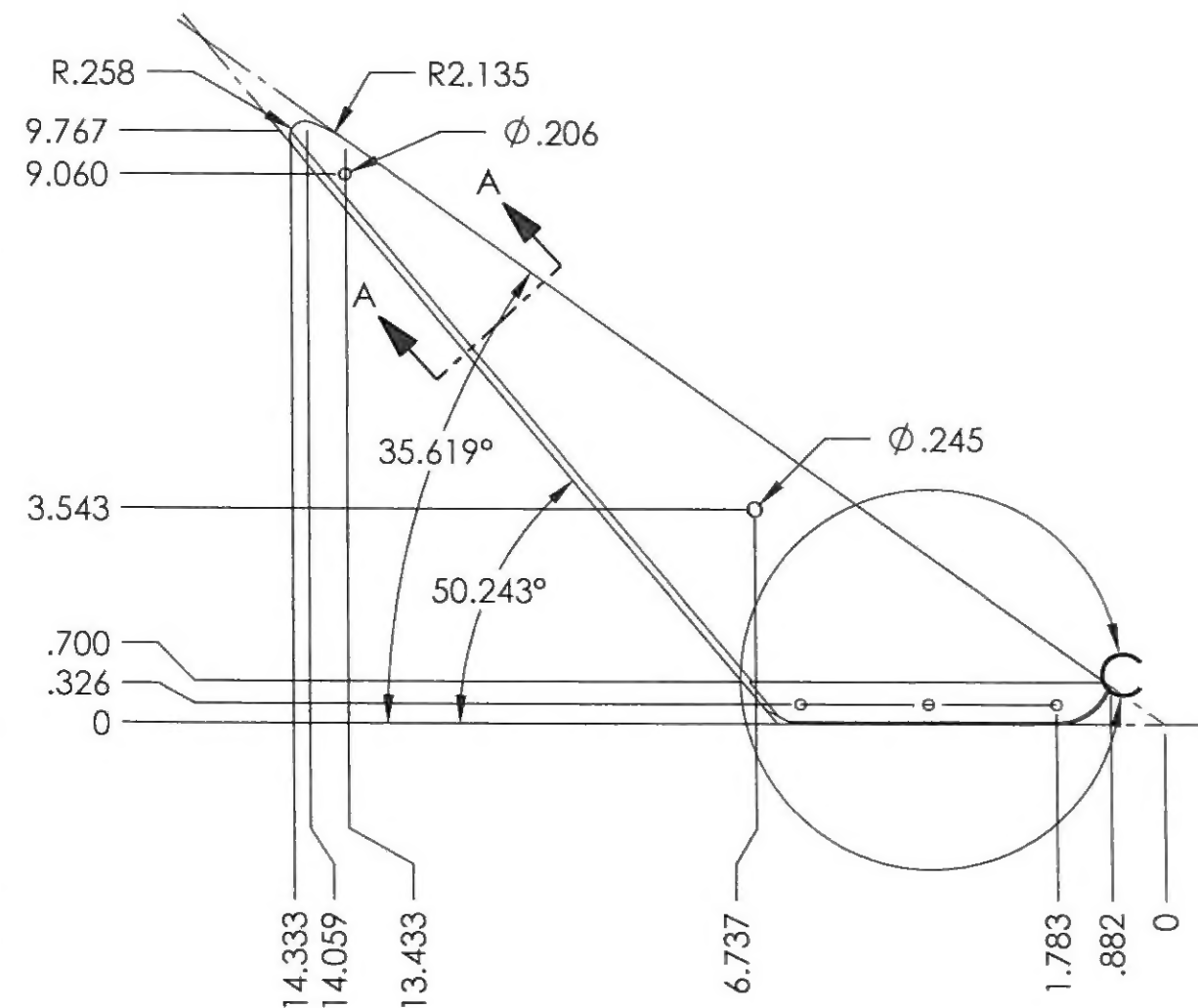
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NOTES:

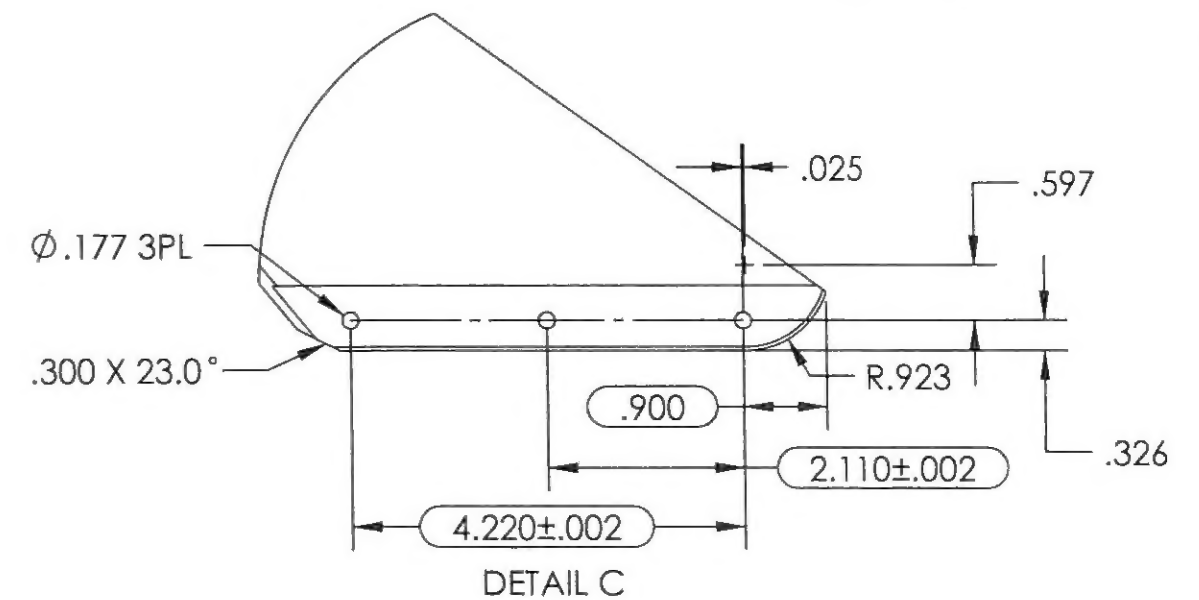
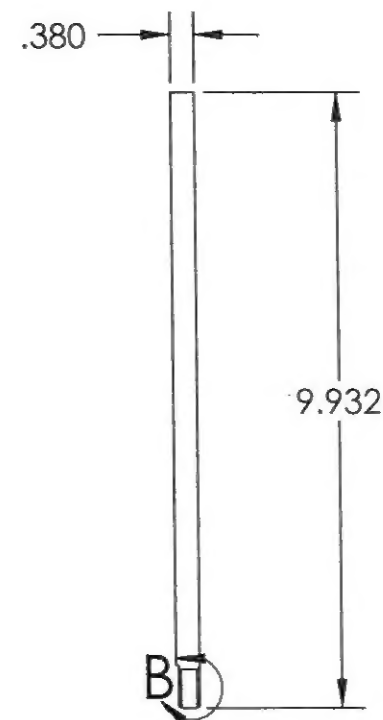
- 1 MATERIAL: ALUMINUM 7075-T651 PER AMS-QQ-A-250/12.
- 2 FINISH: HARD ANODIZE IAW MIL-A-8625 TYPE III, CLASS 2, COLOR BLACK;  
CARDINAL 4860-50 PRETREATMENT PRIMER  
PRIME IAW MIL-P-23377J TYPE I CLASS N; 1-2 MIL MAX.
3. DEBURR AND BREAK ALL SHARP EDGES.
4. IDENTIFY IAW MPP-120.
- 5 MAXIMUM DIMENSION AFTER FINISH

.130 X 45.0° TYP

SECTION A-A



DETAIL B



DETAIL C

UNINCORPORATED ECN(s)

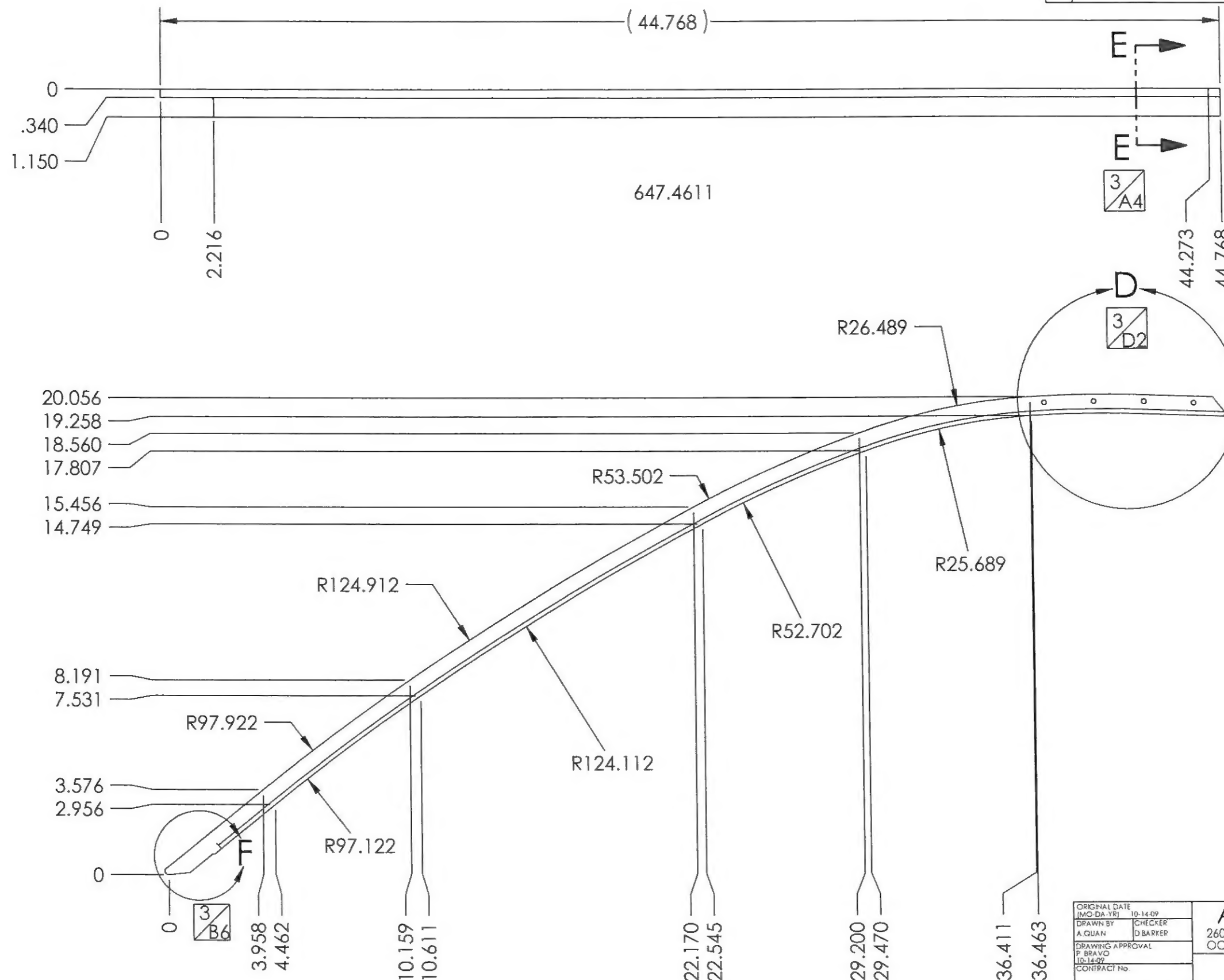
03088, 03088,

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	LAST PROTOTYPE PRI		N/C
N/C	INITIAL RELEASE	10-14-09	P. BRAVO

647.4610

		647.4611	DEFLECTOR		
		1	647.4610	UPPER DEFLECTOR	
		PART #	DESCRIPTION	MAT'L	SPEC.
QTY		PARTS LIST			
NEXT ASSY (S)		ORIGINAL DATE 10-14-09			
647.2600		DRAWN BY A. QUAN CHECKER D. BARKER			
647.4500		DRAWING APPROVAL P. BRAVO 10-14-09			
		CONTRACT No.			
		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ± 5°			
		SIZE B	CAGE CODE 07M26	DWG. NO. 647.4600	REV N/C
		SCALE NONE		SHEET 1 OF 3	

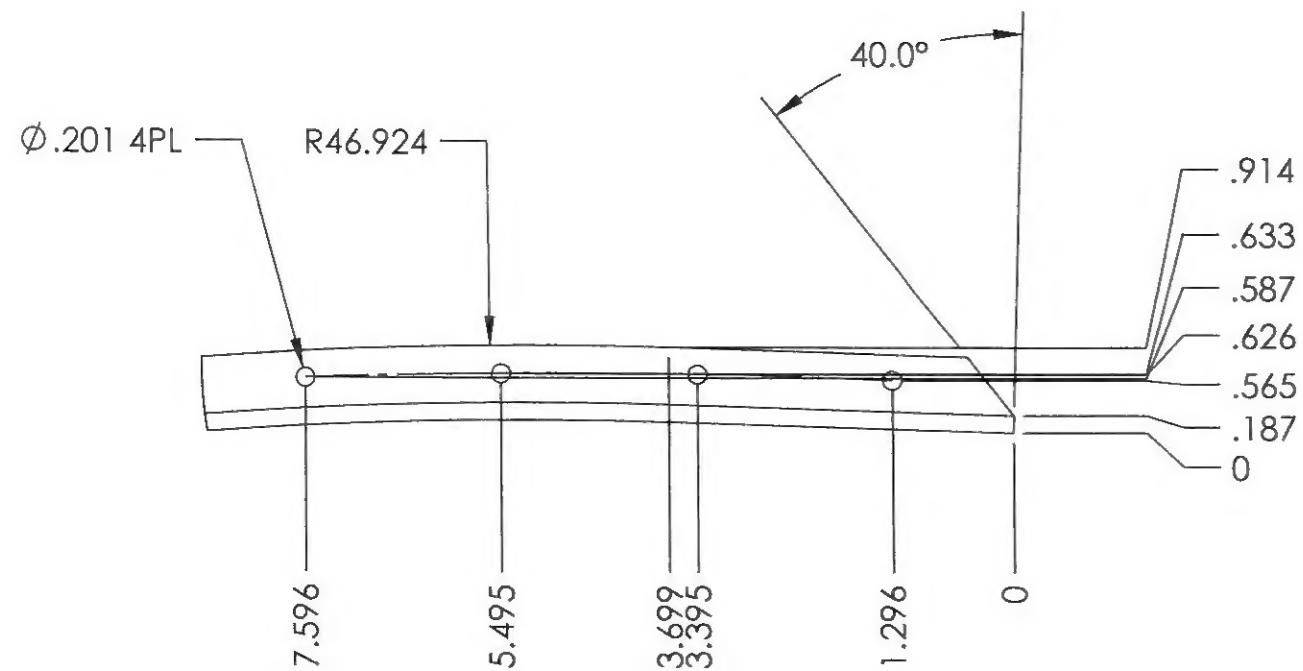
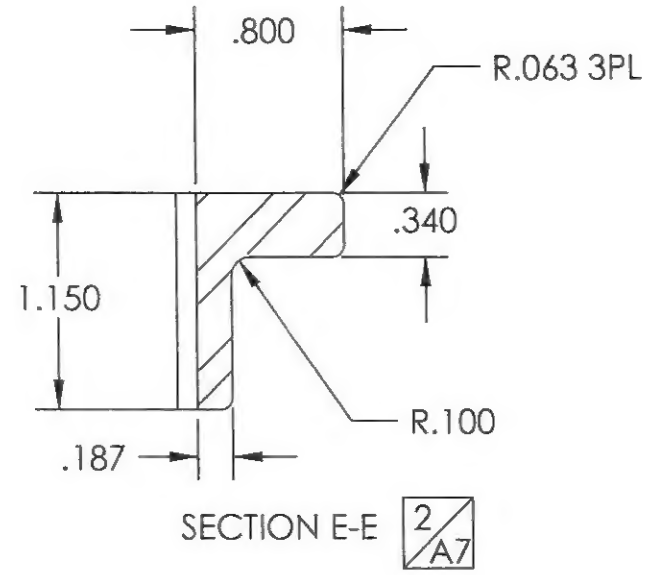
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



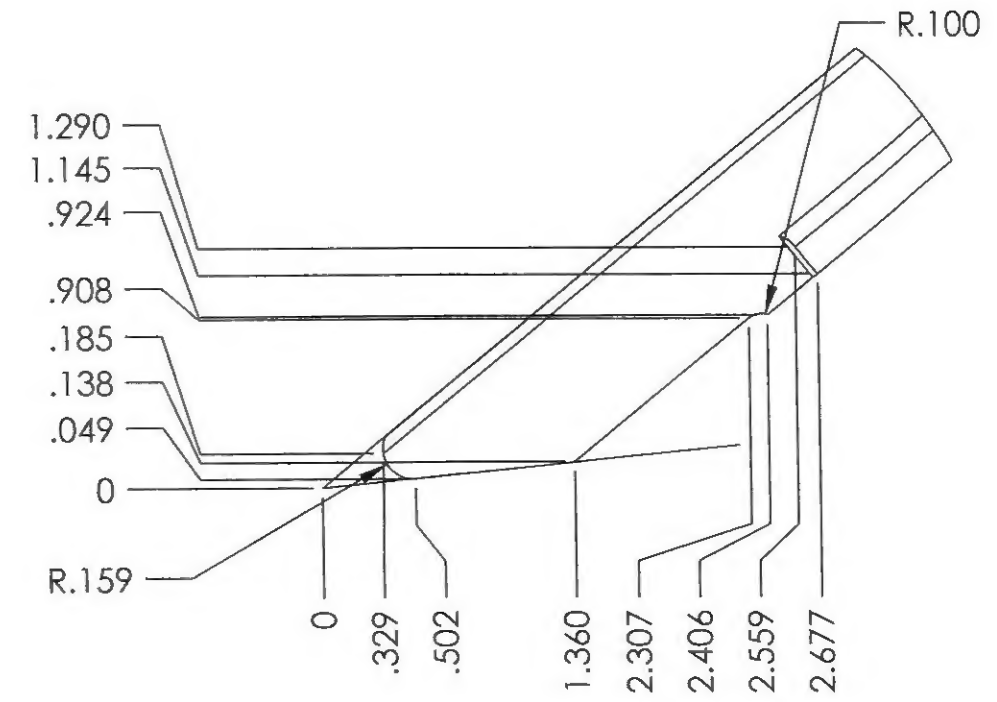
ORIGINAL DATE (MO-DA-YR) 10-14-09	<h1 style="text-align: center;">APICAL INDUSTRIES</h1> <p style="text-align: center;">2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300</p> <h2 style="text-align: center;">DEFLECTORS</h2>			REV
DRAWN BY CHECKER A. QUAN D BARKER				N/C
DRAWING APPROVAL P BRAVO 10-14-09				
CONTRACT No.				
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.001 ANGLES ± .5°	SIZE B	CAGE CODE 07MZ6	DWG NO 647.4600	
	SCALE NONE		SHEET	2 OF 3

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REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



DETAIL D 2/B7



DETAIL F 2/D2

ORIGINAL DATE (MO-DA-YR) 10-14-09		APICAL INDUSTRIES 2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
DRAWN BY A. QUAN	CHECKER D. BARKER		
DRAWING APPROVAL P. BRAYO 10-14-09		DEFLECTORS	
CONTRACT No.		SIZE B	REV N/C
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°		CAGE CODE 07M26	DWG. NO. 647.4600
SCALE NONE		SHEET 3 OF 3	